

A B S T R A C T

CATALYST COMPRISING TWO CATALYTICALLY-ACTIVE METALS

The invention relates to a catalyst or a precursor therefor in the form of a fixed arrangement, wherein the fixed arrangement comprises at least two layers, the first layer comprising as a catalytically active metal or precursor therefor rhodium or a rhodium compound and the second layer comprising as a catalytically active metal or precursor therefor iridium, osmium or platinum or a compound thereof. The invention also relates to catalyst particles or catalyst precursor particles comprising a first, outer layer comprising as a catalytically active metal or precursor therefor rhodium or a rhodium compound and a second layer comprising as a catalytically active metal or precursor therefor iridium, osmium or platinum or a compound thereof. The invention further relates to the use of the catalyst or the catalyst particles, especially in a process for the catalytic partial oxidation of a hydrocarboneous feedstock.